B2320-1

Columbian Chemicals Company

December 5, 1985

Attached are a chart and a table concerning U.S.A. carbon black and dry rubber hydrocarbon consumption during the third quarter and the first nine months of 1985.

FURNACE BLACK

Third quarter production decreased 13% and shipments 6% from the like period of 1984 to 275 and 285 thousand metric tons respectively. Production was the lowest since the second quarter of 1983 and shipments improved slightly over the second quarter.

Year-to-date production of 874 MMT and shipments of 879 MMT decreased 11% and 9% respectively from the year earlier level. Demand in all grades was down except N-100, up 3%.

Plant inventory reduced 10% during the quarter to 91 MMT, a four-week supply.

DRY RUBBER HYDROCARBONS

Dry rubber hydrocarbon consumption in the U.S.A. increased two percent over the second quarter but decreased three percent from the same period of 1984 to 605 thousand metric tons. SBR demand dropped to the lowest in 26 years.

For the first nine months, consumption of 1,868 MMT was 6% below 1984 level. Both rubber ratios were lower: the synthetic share, from 72.5% to 70.7% and the carbon black, from 47.3 phr to 45.8 per hundred rubber.

Very truly yours,

G. T. Madden
Senior Vice President
Sales & Marketing

GTM:mt

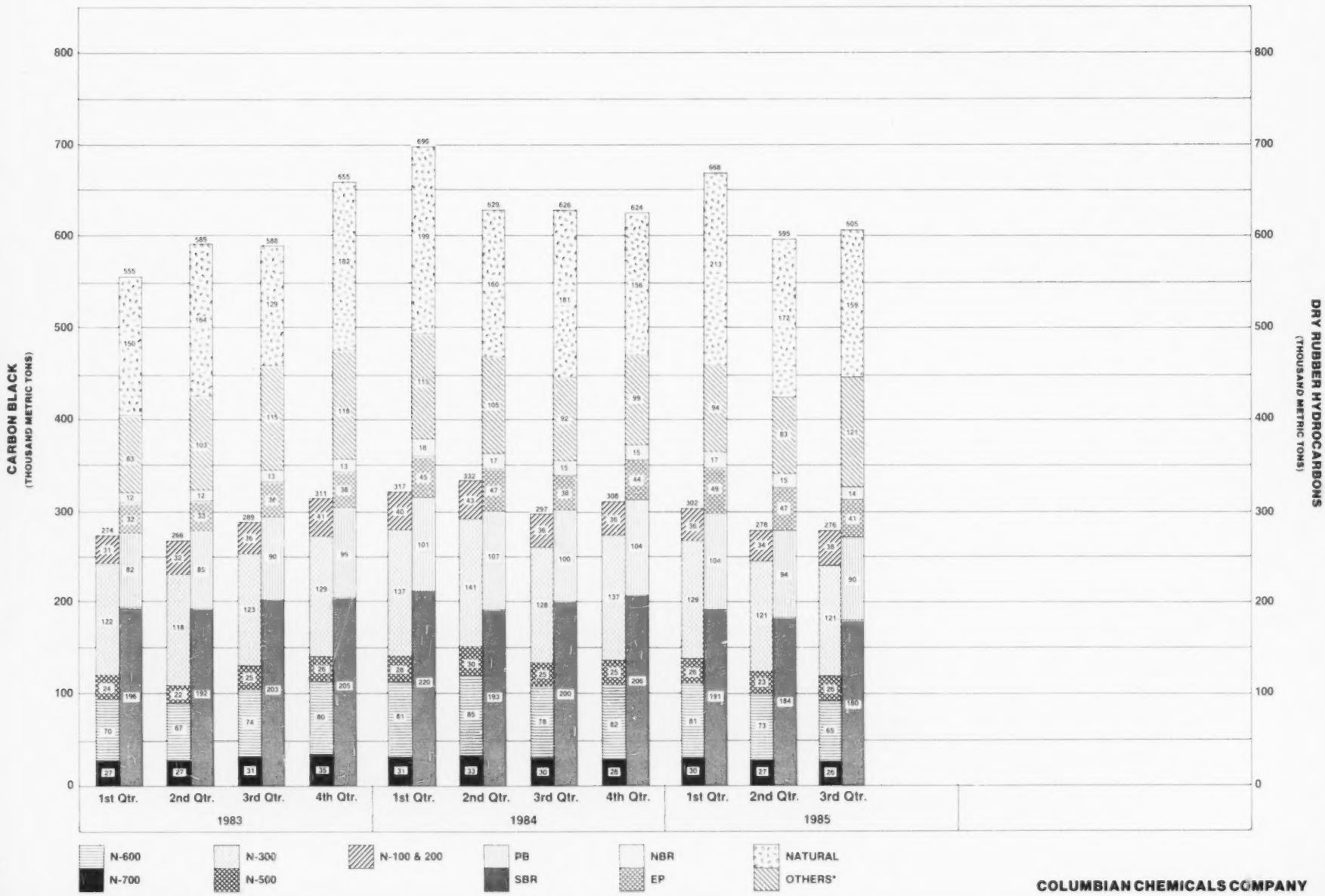
3200 West Market Street, Box 5373, Akron, Ohio 44313 (216) 867-5800

CARBON BLACK INDUSTRY IN THE U.S.A.

(Metric Tons)

			1985		Percentage Change	
			3rd Qtr.	9 Months	3rd Qtr. '85 vs. 3rd Qtr. '84	9 Months '85 vs. 9 Months '84
N-100	(SAF)	Prod.	8,150	21,468	+37.1%	+ 7.5%
		Ship.	8,378	21,117	+31.1%	+ 3.2%
N-200	(ISAF)	Prod.	32,278	100,339	(10.3%)	(9.0%)
		Ship.	34,464	101,227	+ 2.7%	(7.0%)
N-300	(HAF)	Prod.	118,861	374,751	(11.5%)	(11.1%)
		Ship.	124,437	376,593	(3.8%)	(8.1%)
N-500	(FEF)	Prod.	24,710	73,769	(3.5%)	(14.3%)
		Ship.	25,995	75,637	+ 3.7%	(9.5%)
N-600	(GPF)	Prod.	63,490	221,088	(23.9%)	(11.4%)
		Ship.	65,365	219,666	(16.9%)	(10.9%)
N-700	(SAF)	Prod.	27,771	82,942	(13.9%)	(13.9%)
		Ship.	26,705	84,284	(10.9%)	(11.4%)
TOTAL		Prod.	275,260	874,356	(13.3%)	(11.1%)
		Ship.	285,344	878,525	(5.8%)	(8.9%)
Domestic Shipments (Included Above)			276,144	856,247	(6.9%)	(9.5%)
Domestic Share			96.8%	97.5%		

U.S.A. DRY RUBBER HYDROCARBON & CARBON BLACK CONSUMPTION



*Including PI, PC & Butyl

COLUMBIAN CHEMICALS COMPANY

4/1/86 B2320-1

Columbian Chemicals Company

March 24, 1986

Attached are three charts and a table covering U.S.A. carbon black and dry rubber hydrocarbon consumption during the year of 1985.

FURNACE BLACK

1985 furnace black production and shipments decreased 11% from 1984 to 1,166 and 1,149 thousand metric tons respectively. Demand in all grades was down except N-100, up 5% to a record high of 28 MMT.

For the fourth quarter, production of 292 MMT decreased 11% from the comparable period of 1984 and shipments of 271 MMT represented the lowest in three years.

DRY RUBBER HYDROCARBONS

Dry rubber hydrocarbon consumption in the U.S.A. decreased 7% from 1984 to 2,465 thousand metric tons. All polymers were down except Ethylene-Propylene, +1% and Natural, up slightly.

Fourth quarter consumption of 597 MMT was 9% below the year earlier level.

Both rubber ratios were lower during the year: the synthetic share, from 73.3% to 71.5%, a twenty-five year low, and carbon black, from 47.2 to 45.4 per hundred rubber.

Very truly yours,

G. Madden

Gerald T. Madden
Senior Vice President
Sales and Marketing

3200 West Market Street, Box 5373, Akron, Ohio 44313 (216) 867-5800

CARBON BLACK INDUSTRY IN THE U.S.A.

(Metric Tons)

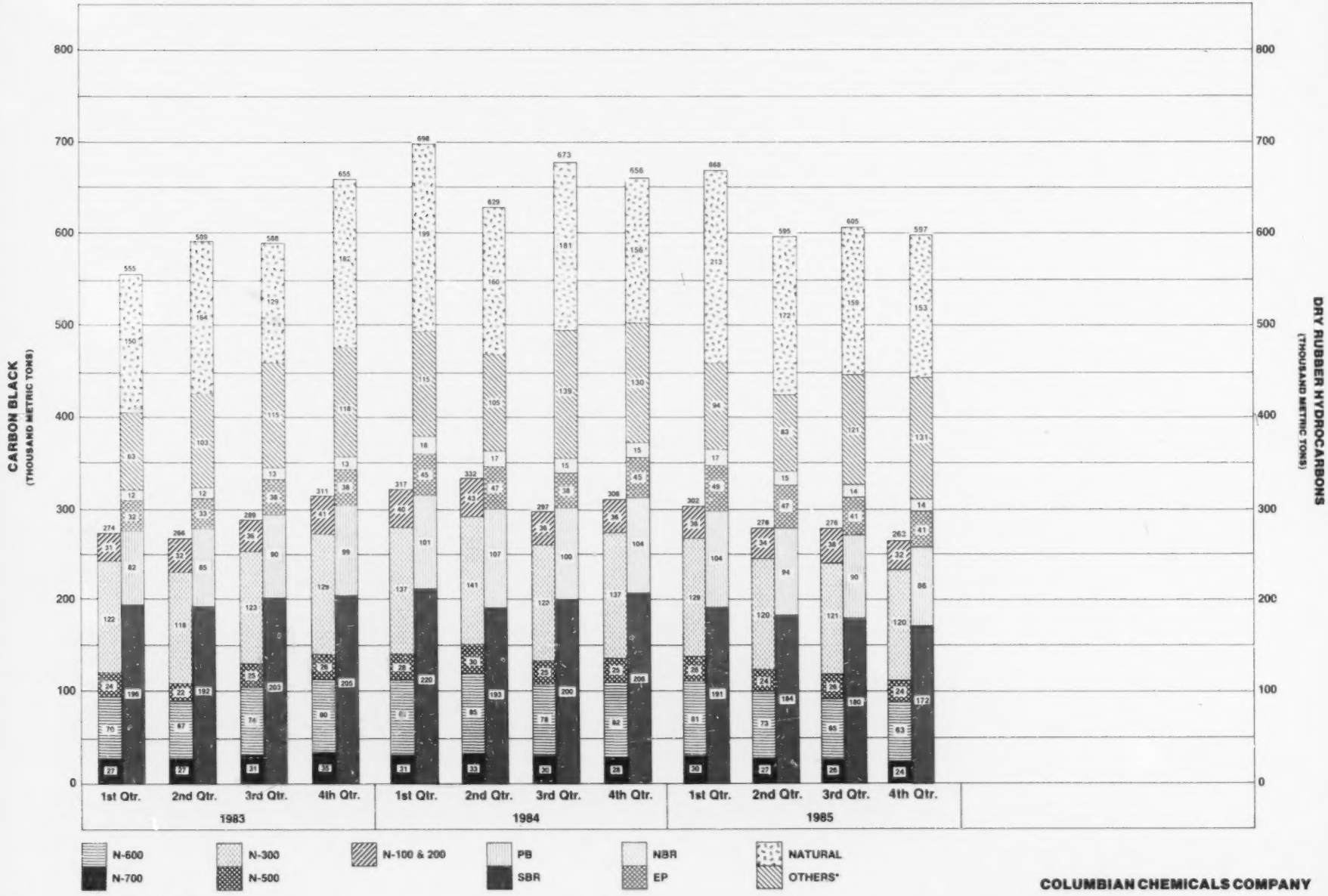
		1985		Percentage Change	
		4th Qtr.	Year	4th Qtr. '85 vs. 4th Qtr. '84	Year '85 vs. Year '84
N-100 (SAF)	Prod.	7,698	29,167	+22.6%	+11.1%
	Ship.	6,558	27,675	+ 9.1%	+ 4.6%
	Inv.		3,598		+60.3%
N-200 (ISAF)	Prod.	33,374	133,713	- 4.2%	- 7.9%
	Ship.	29,114	130,341	-16.6%	- 9.4%
	Inv.		15,128		+28.6%
N-300 (HAF)	Prod.	128,068	502,818	-11.5%	-11.2%
	Ship.	121,174	497,767	-14.5%	- 9.8%
	Inv.		44,050		+11.9%
N-500 (FEF)	Prod.	27,615	101,385	+ 3.6%	-10.1%
	Ship.	24,324	99,961	- 3.5%	- 8.1%
	Inv.		10,273		+18.4%
N-600 (GPF)	Prod.	67,471	288,559	-21.2%	-13.9%
	Ship.	64,166	283,832	-23.0%	-13.9%
	Inv.		25,662		+21.2%
N-700 (SRF)	Prod.	27,655	110,596	- 8.2%	-12.6%
	Ship.	25,351	109,634	-10.7%	-11.3%
	Inv.		13,936		+ 8.6%
Total	Prod.	291,882	1,166,238	-11.1%	-11.1%
	Ship.	270,686	1,149,211	-15.3%	-10.5%
	Inv.		112,647		+17.3%
Domestic Shipments (Included Above)		262,554	1,118,802	-14.8%	-10.8%
Domestic Share		97.0%	97.4%		

III. U.S.A. CARBON RUBBER RATIO DATA
(Thousands of Metric Tons)

	A TOTAL NEW RUBBER CONSUMED	B DRY RUBBER HYDROCARBONS (Excl.Reclaim)	C DRY WEIGHT LATEX	D LATEX % OF TOTAL NEW RUBBER C/A X 100	E FURNACE CARBONS	F CARBON PHR E/B X 100	G SYNTHETIC RATIO
1955	1,554	1,384	170	11.0%	464	33.5	58.5%
6	1,460	1,301	159	10.9%	437	33.6	60.9%
7	1,488	1,322	166	11.1%*	472	35.7	63.2%
8	1,386	1,233	153	11.0%	454	36.8	64.5%
9	1,654	1,472	182	11.0%	552	37.5	65.9%
1960	1,583	1,420	164	10.3%	538	37.9	69.3%
1	1,554	1,395	159	10.2%	546	39.1	72.1%
2	1,746	1,575	171	9.8%	626	39.7	73.1%
3	1,792	1,618	174	9.7%	665	41.1	74.1%
4	1,964	1,774	190	9.7%	754	42.5	75.1%
1965	2,088	1,894	194	9.3%	811	42.8	75.0%
6	2,247	2,062	185	8.2%	896	43.5	75.3%
7	2,151	1,970	181	8.4%	873	44.3	76.9%
8	2,518	2,308	210	8.3%	1,029	44.6	76.5%
9	2,664	2,444	221	8.3%	1,108	45.3	77.2%
1970	2,517	2,313	204	8.1%	1,063	46.0	77.4%
1	2,714	2,506	208	7.6%	1,180	47.1	78.4%*
2	2,979	2,759	220	7.4%	1,317	47.7	78.2%
3	3,129	2,903	227	7.2%	1,401	48.3	77.7%
4	3,075	2,944	164	5.3%	1,329	45.1	76.6%
1975	2,692	2,538	154	5.7%	1,191	46.9	75.1%
6	2,906	2,676	230*	7.9%	1,281	47.9	74.9%
7	3,244*	3,035*	209	6.4%	1,467	48.3	76.0%
8	3,201	2,976	225	7.0%	1,502*	50.5*	76.1%
9	3,080	2,869	210	6.8%	1,426	49.7	76.0%
1980	2,440	2,272	168	6.9%	1,130	49.7	76.0%
1	2,524	2,366	158	6.3%	1,164	49.2	74.9%
2	2,418	2,278	140	5.8%	1,023	44.9	72.7%
3	2,537	2,387	150	5.9%	1,140	47.8	73.3%
4	2,813	2,656	157	5.6%	1,254	47.2	73.3%
1985	2,631	2,465	166	6.3%	1,119	45.4	71.5%
'85 vs '84	(6.5%)	(7.2%)	+5.7%	+12.5%	(10.8%)	(3.8%)	(2.5%)

* = Record year.

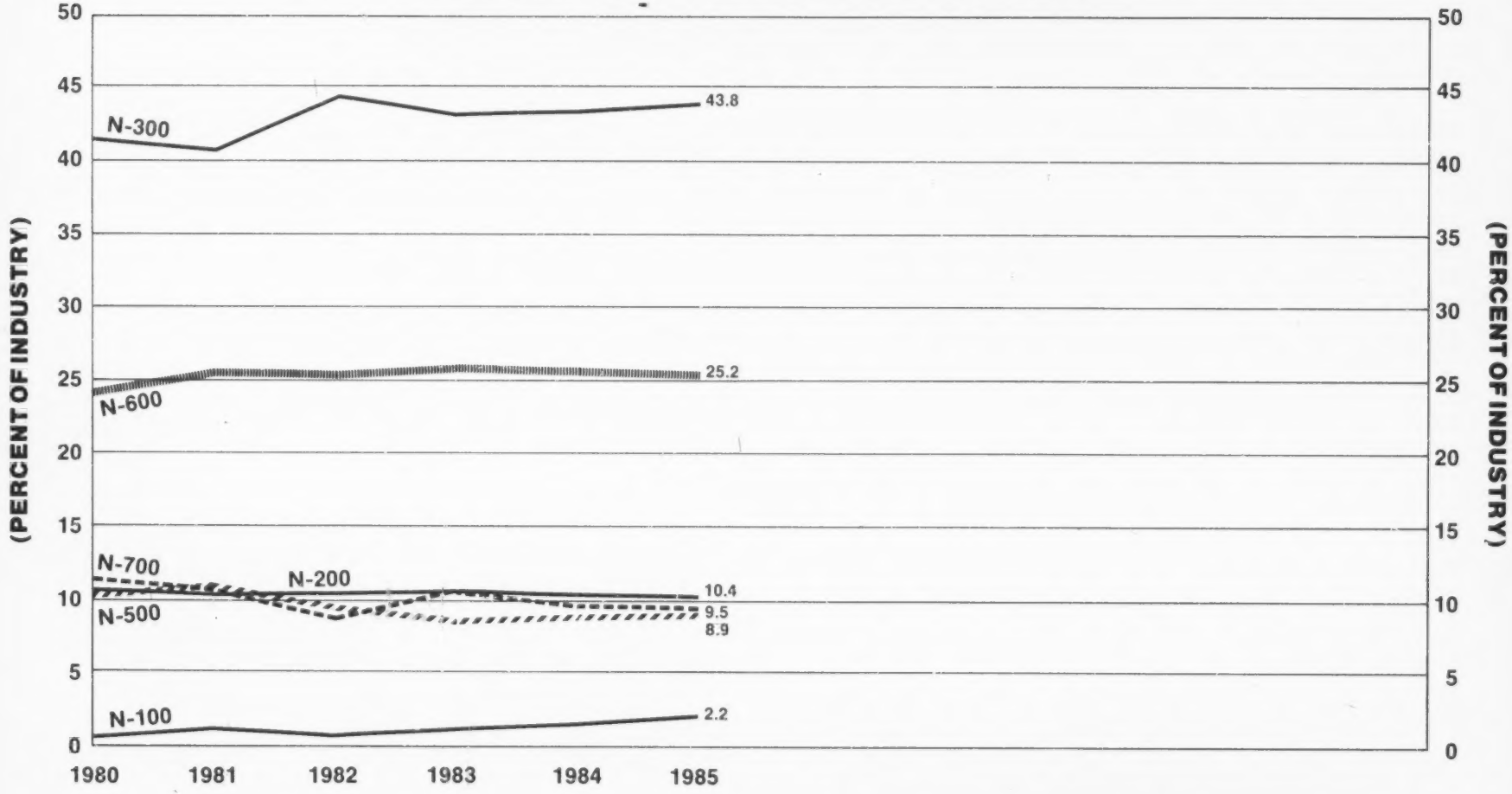
U.S.A. DRY RUBBER HYDROCARBON & CARBON BLACK CONSUMPTION



*Including PI, PC & Butyl

COLUMBIAN CHEMICALS COMPANY

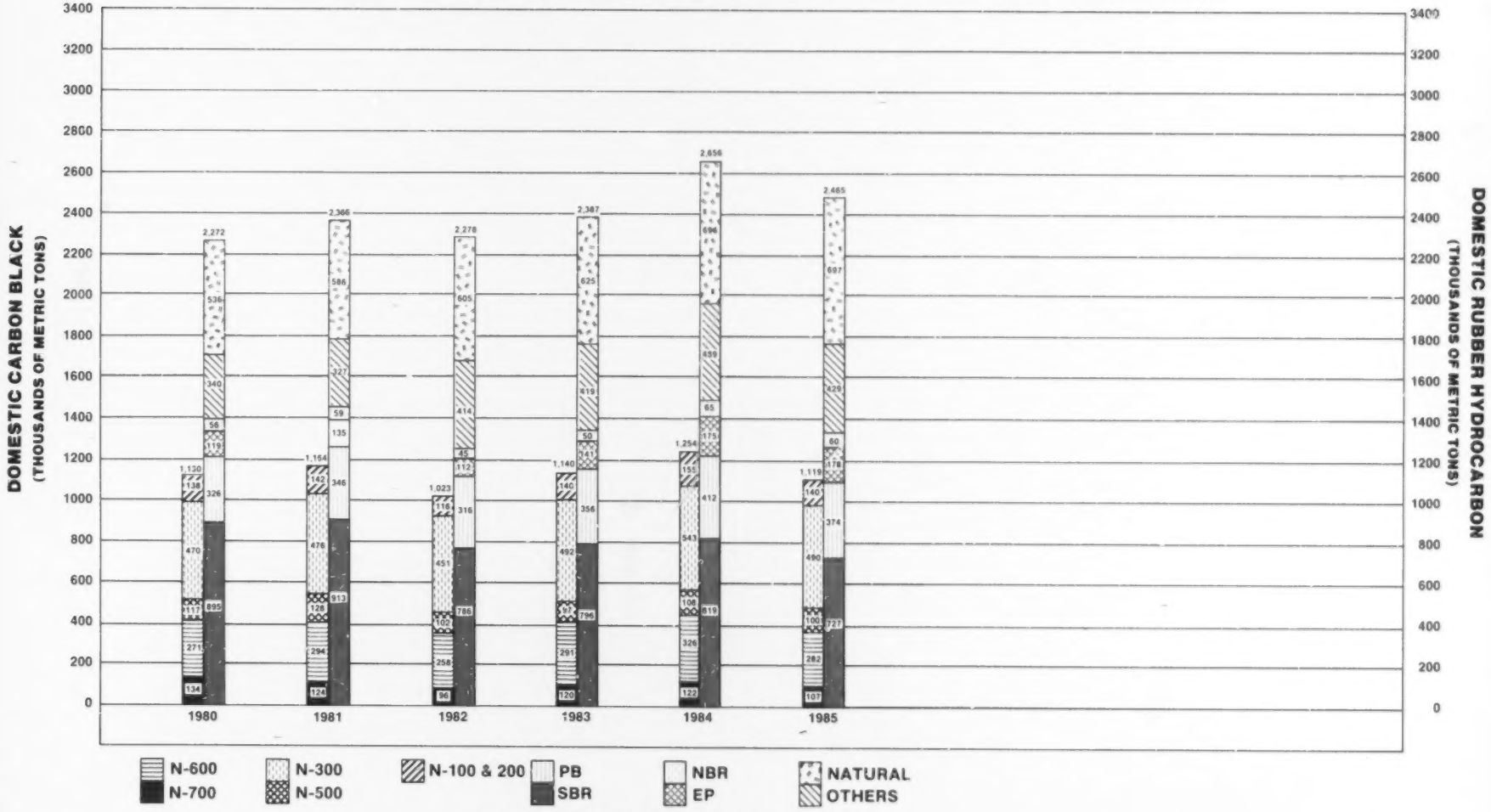
TRENDS IN U.S.A. FURNACE CARBON USAGE



COLUMBIAN CHEMICALS COMPANY

RUBBER CHEMICALS

U.S.A. DRY RUBBER HYDROCARBON & CARBON BLACK CONSUMPTION



*As of 1982, Other Synthetic Includes PI & Butyl.

COLUMBIAN CHEMICALS COMPANY
RUBBER CHEMICALS

B2320-1

Columbian Chemicals Company

May 23, 1986

Attached are a chart and a table covering U.S.A. carbon black and dry rubber hydrocarbon consumption during the first quarter of 1986.

CARBON BLACK

First quarter production decreased 7% and shipments 6% from the same period of 1985 to 286 and 291 thousand metric tons respectively. Demand in all grades was lower except N-100, up 4% and N-700, up 7%.

Plant inventories of 108 MMT represented less than a five-week supply, based on first quarter shipments.

DRY RUBBER HYDROCARBONS

Paralleling carbon black industry, U.S.A. dry rubber hydrocarbon consumption decreased 5% from the first quarter of 1985 to 637 thousand metric tons. All polymers were down except the "others", up 18%.

While synthetic ratio rose from 67.9% a year ago level to 70.4%, carbon-rubber ratio reverted from 45.2 phr to 44.6 parts per hundred rubber.

Very ~~truly~~ yours,

Gerald T. Madden
Senior Vice President
Sales and Marketing

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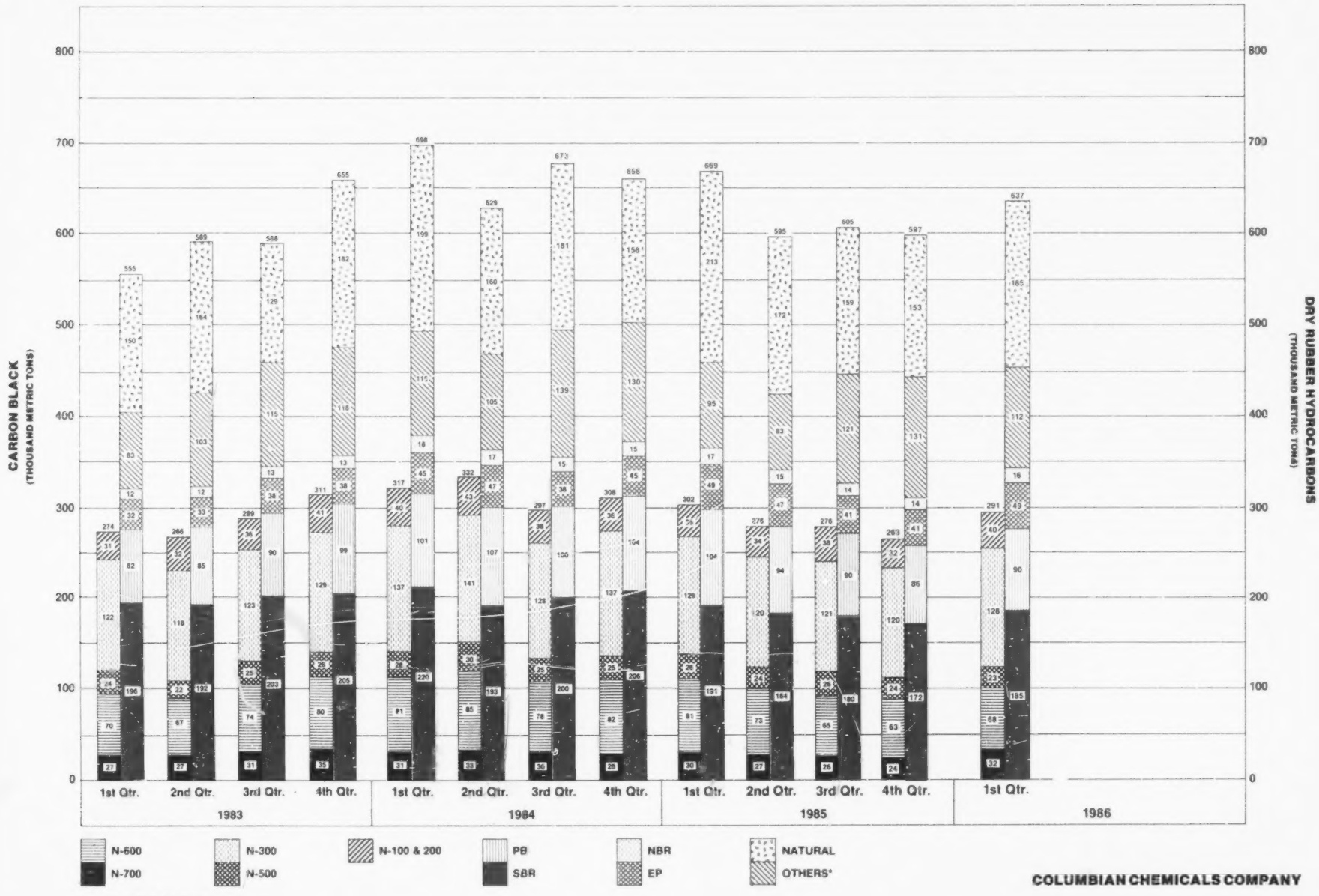
CARBON BLACK INDUSTRY IN THE U.S.A.

(Metric Tons)

		1st Qtr. 1986	Percentage Change From 4th Qtr. '85	Percentage Change From 1st Qtr. '85
N-100 (SAF)	Prod.	6,598	(14.3%)	+ 2.3%
	Ship.	6,681	+ 1.9%	+ 3.6%
	Inv.	3,533	(1.8%)	+58.4%
N-200 (ISAF)	Prod.	31,680	(5.1%)	(9.4%)
	Ship.	33,207	+14.1%	(2.6%)
	Inv.	13,734	(9.2%)	+ 8.5%
N-300 (HAF)	Prod.	124,100	(3.1%)	(4.2%)
	Ship.	128,118	+ 5.7%	(1.5%)
	Inv.	40,089	(9.0%)	+ 3.9%
N-500 (FEF)	Prod.	24,372	(11.7%)	(4.5%)
	Ship.	22,677	(6.8%)	(13.8%)
	Inv.	11,955	+16.4%	+51.0%
N-600 (GPF)	Prod.	68,238	+ 1.1%	(16.0%)
	Ship.	68,247	+ 6.4%	(15.9%)
	Inv.	25,699	+ 0.1%	+21.5%
N-700 (SRF)	Prod.	31,002	+12.1%	+ 3.9%
	Ship.	32,430	+27.9%	+ 7.0%
	Inv.	12,539	(10.0%)	+ 0.2%
Total	Prod.	285,991	(2.0%)	(7.0%)
	Ship.	291,360	+ 7.6%	(5.5%)
	Inv.	107,550	(4.5%)	+13.1%
Domestic Shipments (Included Above)		284,358	+ 8.3%	(6.0%)
Domestic Share		97.6%		

U.S.A. DRY RUBBER HYDROCARBON & CARBON BLACK CONSUMPTION



*Including PI, PC & Butyl

COLUMBIAN CHEMICALS COMPANY